

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power valve near (power or electric\$3) (purif\$4 or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/30 16:09
L2	39	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 (valve near6 (power or electric\$3)) (purif\$4 or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/30 17:52
L3	2	"20030090164"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/30 17:53
S1	34	"environment one".as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:34
S2	3	"environment one".as. purity monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:18
S3	46	("1778834"   "20030090164"   "2307754"   "2307755"   "2988656"   "3122668"   "3427880"   "3506138"   "3822389"   "3894138"   "3916671"   "3972225"   "4008755"   "4046512"   "4101277"   "4139057"   "4300066"   "4440017"   "4531070"   "4698756"   "4766557"   "4870393"   "4945343"   "4959569"   "5097669"   "5123277"   "5581470"   "5676065"   "5701044"   "5979338"   "6058852"   "6076568"   "6086333"   "6126726"   "6324858"   "6326709"   "6338283"   "6424062"   "6456095").PN. OR ("6959585").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/19 19:08
S4	79	"proton energy systems".as. electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:09

## EAST Search History

S5	38	"proton energy systems".as. electrode "hydrogen generator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:15
S6	8	"proton energy systems".as. electrode "hydrogen generator" "natural gas"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:15
S7	0	"environment one".as. "natural gas"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:18
S8	0	"environment one".as. "ethane gas"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:18
S9	0	"environment one".as. "ethane"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:18
S10	284	"natural gas" "hydrogen generator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 19:18
S11	39	reformation "natural gas" "hydrogen generator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 20:02
S12	35	436/55.ccls. hydrogen generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 20:02
S13	1	speranza-john-a.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 20:03
S14	1	gudino-luisa.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 20:03

## EAST Search History

S15	2	"5510201".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/19 20:05
S16	50	powell-michael.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:04
S17	5185	hydrogen near4 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:04
S18	1	S16 S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:09
S19	2	"6280864".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:10
S20	38	("2191510"   "3469944"   "4479925"   "4522894"   "4691071"   "4692306"   "4716023"   "4861348"   "4863712"   "4869894"   "4925456"   "4943493"   "5143800"   "5181937"   "5226928"   "5401589"   "5486428"   "5595833"   "5609834"   "5641585"   "5648182"   "5651833"   "5733347"   "5741474"   "5858314"   "5861441"   "6120923").PN. OR ("6280864").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 18:21
S21	5185	hydrogen near4 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37
S22	48689	electrical near4 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37

## EAST Search History

S23	502	S21 S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:26
S24	143	valve near4 (electrical near2 generator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:27
S25	5	S23 S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:27
S26	13	("3061945"   "3237318").PN. OR ("4042813").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 18:32
S27	3727	hydrogen near2 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37
S28	30918	electrical near2 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37
S29	230	S27 S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37
S30	1921273	valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:37
S31	120	S29 S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:39
S32	335	purity near2 monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:38

## EAST Search History

S33	4	S31 S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:38
S34	2370	pur\$4 near2 monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:38
S35	4	S31 S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:39
S36	39	("2384463"   "2706890"   "3070703"   "3353349"   "3413801"   "3829368").PN. OR ("3975913"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 18:52
S37	1	10/711395.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 18:52
S38	35	("3975913"   "4056373"   "4085590"   "4185979"   "4302217"   "4406867"   "4608830"   "4936869"   "5080875"   "5456740"   "5499279"   "5508205"   "5512787"   "5762119"   "5771946"   "5778972"   "5961697"   "5964965"   "6074447").PN. OR ("6305442"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 19:46
S39	2	"6305442".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:17
S40	59	valve near2 (electrical near2 generator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:33
S41	3	S27 S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:17

## EAST Search History

S42	4	valve near2 (electrical near2 generator) hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:18
S43	2	"20050172556"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:20
S44	2	"3975913".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:20
S45	20	("3793435"   "4108605"   "4360505"   "4402187"   "4444727"   "4668424").PN. OR ("5080875").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 20:23
S46	35	("3975913"   "4056373"   "4085590"   "4185979"   "4302217"   "4406867"   "4608830"   "4936869"   "5080875"   "5456740"   "5499279"   "5508205"   "5512787"   "5762119"   "5771946"   "5778972"   "5961697"   "5964965"   "6074447").PN. OR ("6305442").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 20:29
S47	622	Ovshinsky-Stanford-R.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:30
S48	0	S27 S28 S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:30
S49	9	S27 S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:30

## EAST Search History

S50	35	("3975913"   "4056373"   "4085590"   "4185979"   "4302217"   "4406867"   "4608830"   "4936869"   "5080875"   "5456740"   "5499279"   "5508205"   "5512787"   "5762119"   "5771946"   "5778972"   "5961697"   "5964965"   "6074447").PN. OR ("6305442"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 20:43
S51	0	S40 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:33
S52	179	valve near2 coupled near2 electrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:43
S53	2	valve near2 coupled near2 (electrical generator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:43
S54	87	valve near2 coupled near2 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:44
S55	13	valve near2 coupled near2 generator hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 20:44
S56	16	("4319926"   "4523429"   "4548033"   "4577461"   "4656828"   "4766724"   "4800716"   "4805399"   "4882465"   "4926632"   "4930310"   "4995231"   "5026259"   "5170623"   "5282357"   "5312073").PN. OR ("5819526"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/01/05 21:28
S57	335	purity near2 monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 21:28

## EAST Search History

S58	1	S52 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 21:28
S59	1	S40 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 21:28
S60	0	S50 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 21:28
S61	136	purity near2 monitor hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 21:29
S62	24	purity near2 monitor hydrogen generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 22:18
S63	2	"5510201".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/01/05 22:18
S64	392	204/194.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:34
S65	147	204/194.ccls. (electrolysis or electrolytic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:45
S66	0	("2351113").URPN.	USPAT	AND	ON	2007/08/28 20:37
S67	1	204/194.ccls. (electrolysis or electrolytic) (pressure near2 (sensor or transducer)) (hydrogen near2 generat\$4) electric\$3 vent valve (pure or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:47



## EAST Search History

S68	0	204/194, 400-435, "196".1-275.S64.ccls. (electrolysis or electrolytic) (pressure near2 (sensor or transducer)) (hydrogen near2 generat\$4) electric\$3 vent valve (pure or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:47
S69	0	204/194, 400-435,196-275.S64.ccls. (electrolysis or electrolytic) (pressure near2 (sensor or transducer)) (hydrogen near2 generat\$4) electric\$3 vent valve (pure or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:48
S70	0	204/194, 400-435,196-275.S64.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:47
S71	0	204/194, 400-435, "196".1-275.S64.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:48
S72	12282	204/400-435.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:48
S73	62	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) (hydrogen near2 generat\$4) electric\$3 vent valve (pure or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:48
S74	0	S72 S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:48
S75	108	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 electric\$3 vent valve (pure or purity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 15:40
S76	0	S72 S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/28 20:49

## EAST Search History

S77	91	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 electric\$3 vent valve (purif\$4 or purity) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:20
S78	7	("3858435").URPN.	USPAT	AND	ON	2007/08/29 16:04
S79	35	("5037518").URPN.	USPAT	AND	ON	2007/08/29 16:04
S80	2	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 electric\$3 vent valve ((purif\$4 or purity) near2 (monitor\$3 or sensor or detector)) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 16:26
S81	2	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power vent valve ((purif\$4 or purity) near2 (monitor\$3 or sensor or detector)) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 16:26
S82	2	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power vent valve ((purif\$4 or purity) near2 (monitor\$3 or sensor or detect\$3)) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 16:26
S83	90	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power vent valve (purif\$4 or purity) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 16:33
S84	214	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power (vent or conduit or pipe or line) valve (purif\$4 or purity) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 16:34
S85	174	(electrolysis or electrolytic) (pressure near2 (sensor or transducer)) hydrogen generat\$4 power (vent or conduit or pipe) valve (purif\$4 or purity) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/30 16:08

## EAST Search History

S86	83849	"204"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:05
S87	44	S85 S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 16:34
S88	18	("3448035"   "3870616"   "4078985"   "4822469"   "5037518"   "5480518").PN. OR ("5840172"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/29 16:42
S89	44	("20020093201"   "20040023087"   "20040080424"   "4002553"   "4233132"   "4344831"   "4781029"   "5082544"   "5372617"   "5432710"   "5512145"   "5512787"   "5592028"   "5621654"   "5690797"   "5702491"   "5711865"   "5779866"   "5799624"   "5817157"   "5840172"   "5899072"   "5999888"   "6021402"   "6026349"   "6057051"   "6107691"   "6153058"   "6153943"   "6285178"   "6285964"   "6288456"   "6294276"   "6304006"   "6311105"   "6366889"   "6512966"   "6536487"   "6670721"   "6673479"   "6774506"   "6824909"   "6857447"   "6860923").PN. OR ("7030770").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/29 17:15
S90	414	purity near2 monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:07
S91	0	"204"/194, 400-435.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:05
S92	392	"204"/194.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:05

## EAST Search History

S93	2171	(electrolysis or electrolytic) (pressure near2 (sensor or transducer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 19:06
S94	0	S90 S92 S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 19:06
S95	9	S86 S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:06
S96	454	purity near2 (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:07
S97	11	S86 S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:07
S98	6	S97 not "212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:07
S99	11	S97 not S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:17
S10 0	2	"4822469".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:18
S10 1	2	"20020051898"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/29 19:18

## EAST Search History

S10 2	1	(electrolysis or electrolytic) (pressure near4 (sensor or transducer)) hydrogen generat\$4 ((electric\$3 or power) near6 vent ) (purif\$4 or purity) (atm or atmosphere or outside or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:21
S10 3	11	(electrolysis or electrolytic) (pressure near4 (sensor or transducer)) hydrogen generat\$4 ((electric\$3 or power) near6 vent )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:22
S10 4	11	(electrolysis or electrolytic) (pressure near4 (sensor or transducer)) hydrogen generat\$4 ((electric\$3 or power) near6 vent )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:24
S10 5	11	(electrolysis or electrolytic) (pressure near4 (sensor or transducer)) hydrogen generat\$4 ((electric\$3 or power) near6 vent )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:28
S10 6	11	(electrolysis or electrolytic) (pressure near4 (sensor or transducer)) hydrogen ((electric\$3 or power) near6 vent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:28
S10 7	84	(electrolysis or electrolytic) hydrogen ((electric\$3 or power or energy) near6 vent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2007/08/29 20:29